Serial No. 10/724,803 June 22, 2005 Reply to the Office Action dated March 22, 2005 Page 2 of 8

## <u>AMENDMENTS TO THE CLAIMS</u>

This listing of claims will replace all prior versions, and listings, of claims in the application:

## LISTING OF CLAIMS:

Claim 1 (canceled).

Claim 2 (currently amended): A method of forming a thick-film wiring according to Claim 1, A method of forming a thick-film wiring on a substrate comprising:

a first step of filling a photosensitive-electroconductive paste into a pattern groove formed on the surface of a light-transmissive plate, the pattern groove corresponding to a desired thick-film wiring pattern;

a second step of irradiating the photosensitive-electroconductive paste filled in the pattern groove with light-rays from the front and back sides of the plate to cause the photosensitive-electroconductive paste to harden until the peripheral surface of the electroconductive paste has a predetermined hardness;

a third step of transferring the photosensitive-electroconductive paste hardened in the plate directly to the substrate or via an intermediate piece to the substrate; and

a fourth step of firing the photosensitive-electroconductive paste, whereby the thick-film wiring is formed on the substrate; wherein

the plate is made of a transparent polyethyleneterephthalate film.

Claim 3 (original): A method of forming a thick-film wiring according to Claim 2, wherein in the second step, light having a wavelength of at least about 350 nm irradiates the photosensitive-electroconductive paste from the front and back sides of the plate.

Serial No. 10/724,803 June 22, 2005 Reply to the Office Action dated March 22, 2005 Page 3 of 8

Claim 4 (currently amended): A method of forming a thick-film wiring according to Claim 42, wherein the pattern groove of the plate is processed with a laser beam having a wavelength shorter than the wavelength of the light used in the second step, and the plate has a transmittance spectrum which is lower than that for the laser beam and which is higher than the light used in the second step.

Claim 5 (currently amended): A method of forming a thick-film wiring according to Claim 42, wherein the intermediate piece is made of a light-transmissive material;

the second step includes irradiating light from the back side of the plate and from the back side of the intermediate piece while the intermediate piece and the plate overlap each other; and

the third step includes transferring the photosensitive-electroconductive paste hardened in the plate to the intermediate piece, and then, transferring the photosensitive-electroconductive paste from the intermediate piece to the substrate.

Claim 6 (currently amended): A method of forming a thick-film wiring according to Claim 12, wherein, in the second step, the quantity of light irradiated from the front side of the plate is larger than the quantity of light irradiated from the back side of the plate.

Claim 7 (currently amended): A method of forming a thick-film wiring according to Claim  $4\underline{2}$ , wherein the plate is a flexible plate made of resin, and the resin plate is bonded to a support which is light-transmissive and non-flexible.

Claim 8 (currently amended): A method of forming a thick-film wiring according to Claim 42, wherein a release agent is coated on an inner surface of the pattern groove of the plate.

Serial No. 10/724,803 June 22, 2005 Reply to the Office Action dated March 22, 2005 Page 4 of 8

Claim 9 (currently amended): A method of producing a laminated electronic component comprising the steps of:

preparing a substrate made of a green sheet;

transferring photosensitive-electroconductive paste onto the substrate directly or via an intermediate piece;

repeating the steps of preparing and transferring to form a laminate of plural substrates having the photosensitive-electroconductive paste transferred thereto; and firing the laminate; wherein

the photosensitive-electroconductive paste is formed by the method of forming a thick-film wiring defined in Claim 42.

Claim 10 (original): A method of forming a thick-film wiring according to Claim 9, wherein the pattern groove of the plate is processed with a laser beam having a wavelength shorter than the wavelength of the light used in the second step; and

the plate has a transmittance spectrum which is lower than the laser beam and which is higher than the light used in the second step.

Claim 11 (original): A method of forming a thick-film wiring according to Claim 9, wherein the intermediate piece is made of a light-transmitting material;

the second step includes irradiating light from the back side of the plate and from the back side of the intermediate piece while the intermediate piece and the plate overlap each other; and

the third step includes transferring the photosensitive-electroconductive paste hardened in the plate to the intermediate piece, and then, transferring the photosensitive-electroconductive paste from the intermediate piece to the substrate.

Serial No. 10/724,803 June 22, 2005 Reply to the Office Action dated March 22, 2005 Page 5 of 8

Claim 12 (original): A method of forming a thick-film wiring according to Claim 9, wherein, in the second step, the quantity of light irradiated from the front side of the plate is larger than the quantity of light irradiated from the back side of the plate.

Claim 13 (original): A method of forming a thick-film wiring according to Claim 9, wherein the plate is a flexible plate made of resin, and

the resin plate is bonded to a support which is light-transmitting and non-flexible.

Claim 14 (original): A method of forming a thick-film wiring according to Claim 9, wherein a release agent is coated on an inner surface of the pattern groove of the plate.

Claim 15 (currently amended): A method of forming a thick-film wiring according to Claim 42, wherein the plate is an intaglio plate.

Claim 16 (currently amended): A method of forming a thick-film wiring according to Claim 42, wherein a surface of the plate is coated with a release agent.

Claim 17 (original): A method of forming a thick-film wiring according to Claim 16, wherein the release agent is a fluororesin.

Claim 18 (currently amended): A method of forming a thick-film wiring according to Claim 42, wherein a cross-sectional shape of the pattern groove is a trapezoid having side walls with a predetermined tapering-angle.

Claim 19 (currently amended): A method of forming a thick-film wiring according to Claim 12, wherein a surface of the substrate is coated with an adhesive.

Serial No. 10/724,803 June 22, 2005 Reply to the Office Action dated March 22, 2005 Page 6 of 8

Claim 20 (currently amended): A method of forming a thick-film wiring according to Claim 42, wherein the plate is made of glass.